

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A fiber, wherein said fiber is produced by electroshearing a mixture that comprises at least one mesoporous molecular sieve, and wherein the mesoporous molecular sieve is synthesized by combining comprises an organosilane, a surfactant, at least one acid and at least one alcohol.
- 2-3. (Canceled).
4. (Previously Presented) The fiber of claim 1, wherein said organosilane is selected from the group consisting of tetramethylorthosilicate, phenyltrimethoxy silane, p-aminophenyltrinethoxy silane, phenyl-trimethylchlorosilane and trimethylchlorosilane.
5. (Previously Presented) The fiber of claim 1, wherein said fiber has a diameter ranging from about 10 nanometers up to about 1,000 nanometers.
6. (Currently Amended) A network of fibers wherein, said network comprises fibers comprising at least one mesoporous molecular sieve wherein, said fibers are produced by electroshearing, and wherein the mesoporous molecular sieve is synthesized by combining a silica source comprises an organosilane, a surfactant, at least one acid and at least one alcohol.
- 7-8. (Canceled).
9. (Previously Presented) The fibers of claim 6, wherein said organosilane is selected from the group consisting of tetramethylorthosilicate, phenyltrimethoxy silane, p-aminophenyltrinethoxy silane, phenyl-trimethylchlorosilane and trimethylchlorosilane.
- 10-30. (Canceled)
31. (Currently Amended) A method of making a network of fibers comprising:
electroshearing a fiberizable mixture to form a network of fibers, wherein said mixture comprises at least one mesoporous molecular sieve, wherein the mesoporous molecular sieve is synthesized by combining a silica source comprises an organosilane, a surfactant, at least one acid and at least one alcohol.

32-33. (Canceled)

34. (Previously Presented) The method of claim 31, wherein said organosilane is selected from the group consisting of tetramethylorthosilicate, phenyltrimethoxy silane, p-aminophenyltrinethoxy silane, phenyl-trimethylchlorosilane and trimethylchlorosilane.

35. (Currently Amended) The fiber of claim 1 wherein said at least one acid is either hydrochloric acid or acetic acid.

36. (Currently Amended) The fiber of claim 1 wherein said at least one alcohol is either ethanol or propanol.

37. (Canceled)